

ENF Environmental Notification Form

For Office Use Only
 Executive Office of Environmental Affairs

EOEA No.: 14110
 MEPA Analyst: Holly Johnson
 Phone: 617-626-1023

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Framingham Comprehensive Wastewater Management Plan/ Expanded ENF		
Street:		
Municipality: Framingham	Watershed: Sudbury River	
Universal Transverse Mercator Coordinates:	Latitude: 42° 17' N Longitude: 71° 25' W	
Estimated commencement date: 2007	Estimated completion date: 2013	
Approximate cost: \$92 Million	Status of project design:	10 %complete
Proponent: Town of Framingham Department of Public Works		
Street: 100 Western Avenue		
Municipality: Framingham	State: MA	Zip Code: 01702
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Kate Goyette		
Firm/Agency: S E A Consultants	Street: 5 Whittier Street, 6 th Floor	
Municipality: Framingham	State: MA	Zip Code: 01701
Phone: 508-370-8256	Fax: 603-225-0099	E-mail: Katherine.goyette@seacon.com

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301 CMR 11.09) Yes No
 - a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
 - a Phase I Waiver? (see 301 CMR 11.11) Yes No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): SRF funding (2007 IUP) for \$13,566,000 (Wastewater Improvements, Phase 2 SSES, Stormwater Improvements, SWMP)

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify: MA DEP) No

List Local or Federal Permits and Approvals: Local Order of Conditions

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|---------------------------------|------------------------------------------------|----------------------------------------------------------------|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input checked="" type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i>
Total site acreage	N/A			
New acres of land altered		N/A		
Acres of impervious area	N/A	N/A	N/A	
Square feet of new bordering vegetated wetlands alteration		N/A		
Square feet of new other wetland alteration		N/A		
Acres of new non-water dependent use of tidelands or waterways		N/A		
STRUCTURES				
Gross square footage	N/A	N/A	N/A	
Number of housing units	N/A	N/A	N/A	
Maximum height (in feet)	N/A	N/A	N/A	
TRANSPORTATION				
Vehicle trips per day	N/A	N/A	N/A	
Parking spaces	N/A	N/A	N/A	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	N/A	N/A	N/A	
GPD water withdrawal	N/A	N/A	N/A	
GPD wastewater generation/ treatment	8.4 mgd	0 mgd	8.4 mgd	
Length of water/sewer mains (in miles)	244.8	Rehab 7.7 New 0.7 Abandon 5.3	240.2	

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify See attached MEPA Review Plan Figure 1) No

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify Concord Square and Saxonville Historic Districts) No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify _____) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (*You may attach one additional page, if necessary.*)

The Draft CWMP accounts for all facets of the wastewater collection system (sewers, manholes, pumping stations, etc.) and it evaluates multiple issues of the system concurrently. Rather than focus on each issue separately, the CWMP considers the aggregate effects of all issues and determines the best course of action that make the most dramatic improvements to the collection system. Specifically, the issues studied were odor and corrosion related to sulfide in the system; infiltration and inflow sources of extraneous waters; sewer, manhole and pumping station age and conditions in the primary sewer collection system; and hydraulic capacity of the sewer gravity mains and pumping stations. Refer to Section 2 of Volume I of the Draft CWMP for the history of the Framingham wastewater system and an inventory of the existing infrastructure.

The collection of projects that were identified to address the critical and urgent needs of the collection system is known as the recommended Capital Improvement Plan or CIP. Based on the findings of the study phases there were close to 50 different critical and urgent needs of the collection system identified. To ensure the most cost-effective solution to each deficiency was identified, several alternative solutions were evaluated for each problem. Evaluating the various alternatives compared relative costs, performance criteria, and overall project priority based on an assessment of system risk. In general, the recommended program attempted to eliminate as many pumping stations and force mains as possible; another goal was to reduce the overall quantity of sewer pipe in the ground and reduce the cost to operate the overall collection system; finally the quantity of sewer rehabilitated or replaced as a result of the CIP was measured. The most significant aspect of the recommended CIP is the elimination of 7 sewer pumping stations and over 5 miles of force main. The effect of these eliminations will significantly reduce the amount of sulfide generated in the collection system and the overall operating cost of the collection system by an estimated \$100,000 annually. To eliminate this infrastructure only 0.7 miles of gravity sewer must be installed. In total, there are 34 significant projects in the CIP which resolve existing critical and urgent issues related to sewer capacity, sulfide odor and corrosion, pumping station capacity and condition, and the condition of the inverted siphons.

These projects upgrade, repair, or replace existing inadequate infrastructure and do not provide any new sewer service for any areas currently not sewered. The majority of these projects are within existing roadways and most of the new cross country pipe will be constructed where sewer infrastructure already exists. The CWMP suggest that five of the seven pump stations to be eliminated will be demolished and two will be abandoned. This will be revisited and finalized during the design phase of each project. Any forcemains, gravity sewer, and manholes no longer in use will be abandoned in-place. An extensive alternative analysis is included in Section 9 of the CWMP. The recommended CIP projects include construction of 0.7 miles of new sewer and rehabilitation of 7.7 miles of existing sewer. Approximately 0.53 miles of total 8.4 miles of new/rehabilitated sewer is within cross-country areas.

Any environmental impacts will be temporary in nature, with no permanent alteration of wetlands or water resources expected. Attached Figures 2 through 21 show both roadway and cross-country work within the estimated 100-foot buffer zones of the MassGIS wetlands data. Final locations for new infrastructure will be selected during design to minimize environmental impacts and all applicable projects will be filed with the local Conservation Commission. Trenchless technologies will be evaluated to avoid impacts to these environmental resources to the furthest extent possible. Haybales and silt fence will be specified for construction and demolition work in areas with temporary environmental impacts. Mitigation measures, as documented in the Town's Stormwater Management Plan, will also be followed to minimize stormwater impacts during construction of the CIP projects and demolition activities.

By completing each of these projects, the level of service will dramatically increase by reducing the number of annual violations of state and federal laws, coming into compliance with MWRA sulfide limitations, and eliminating existing hydraulic problems in the system that lead to SSOs in the form of sewer back ups and basement flooding.